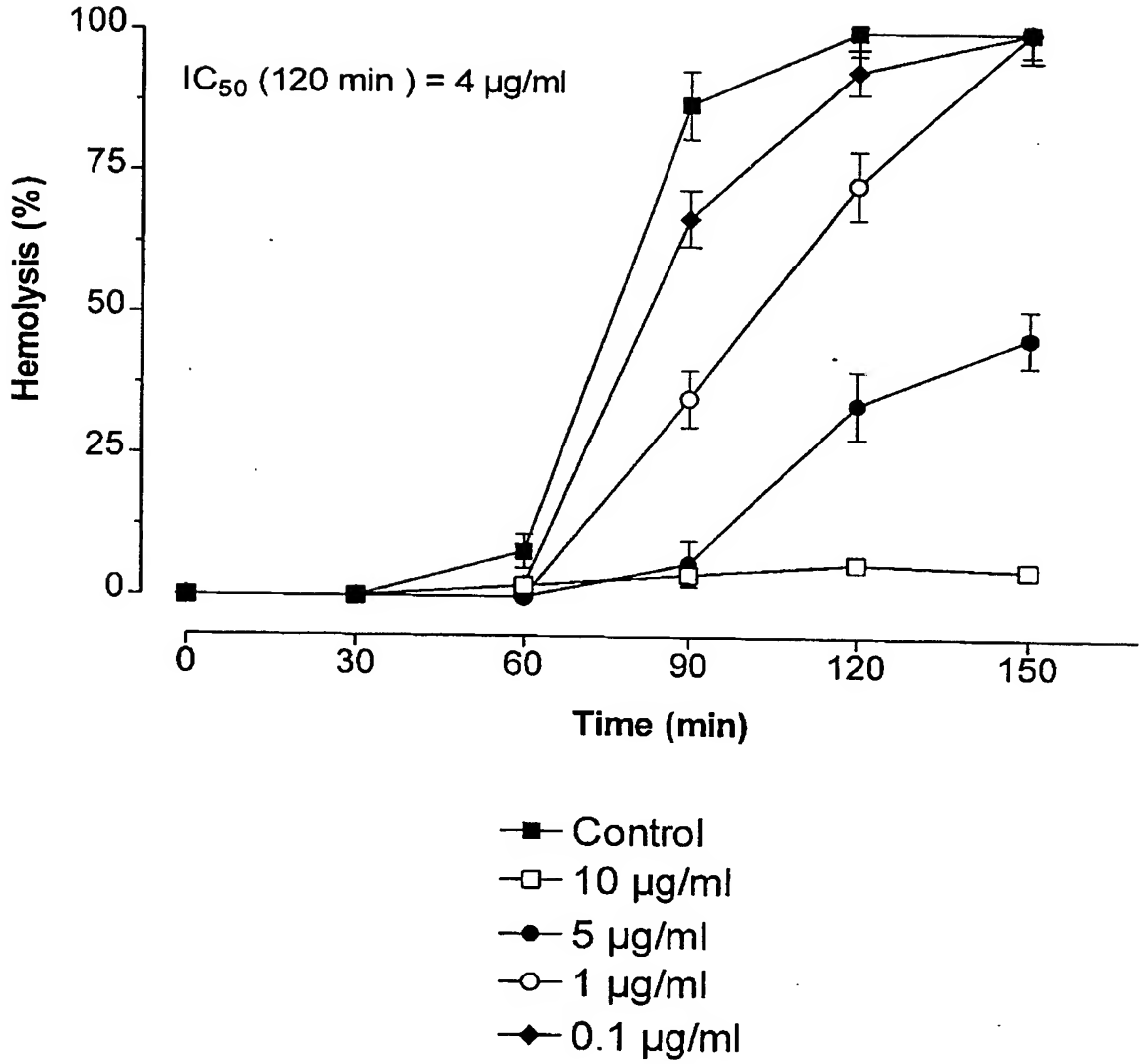

100
75
50
25
0
Hemolysis (%)
IC50 (120 min) = 4 µg/ml
0
30
60
90
120
150
Time (min)
Control
10 µg/ml
5 µg/ml
1 µg/ml
0.1 µg/ml

Figure 1

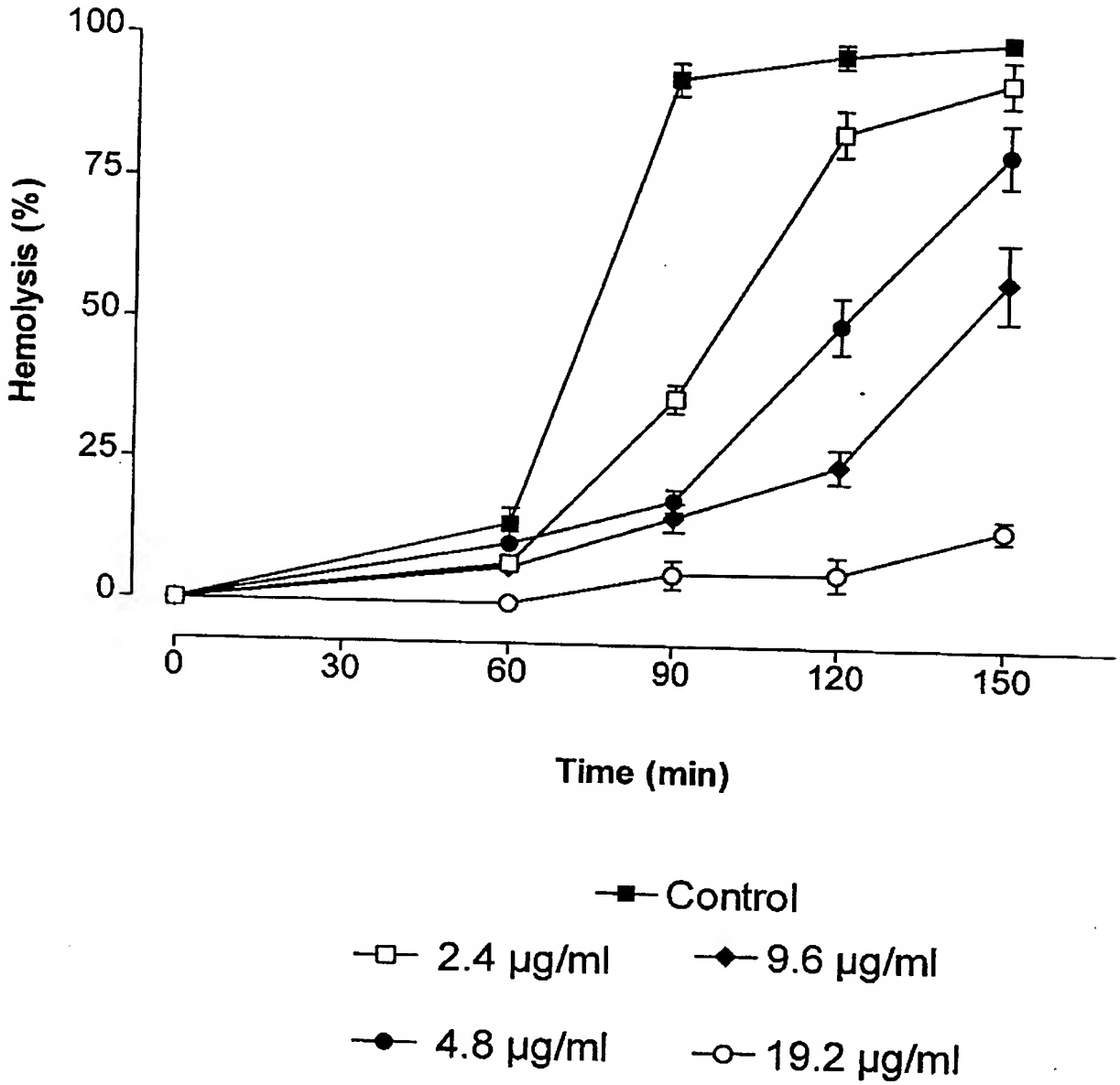

100
75
50
25
0
Hemolysis (%)
0
30
60
90
120
150
Time (min)
Control
2.4 µg/ml
9.6 µg/ml
4.8 µg/ml
19.2 µg/ml

Figure 2

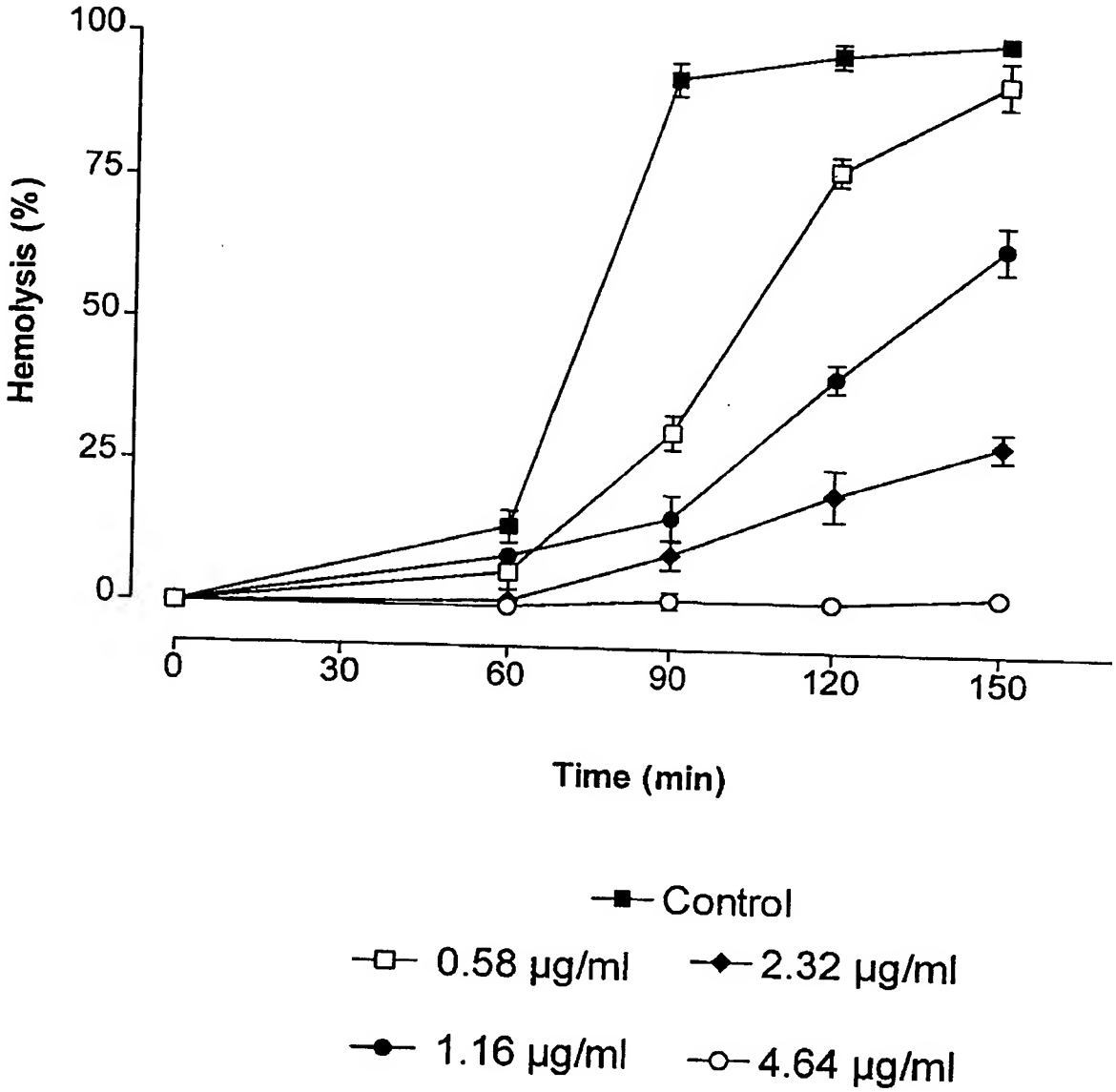

100
75
50
25
0
Hemolysis (%)
0
30
60
90
120
150
Time (min)
Control
0.58 µg/ml
2.32 µg/ml
1.16 µg/ml
4.64 µg/ml

Figure 3

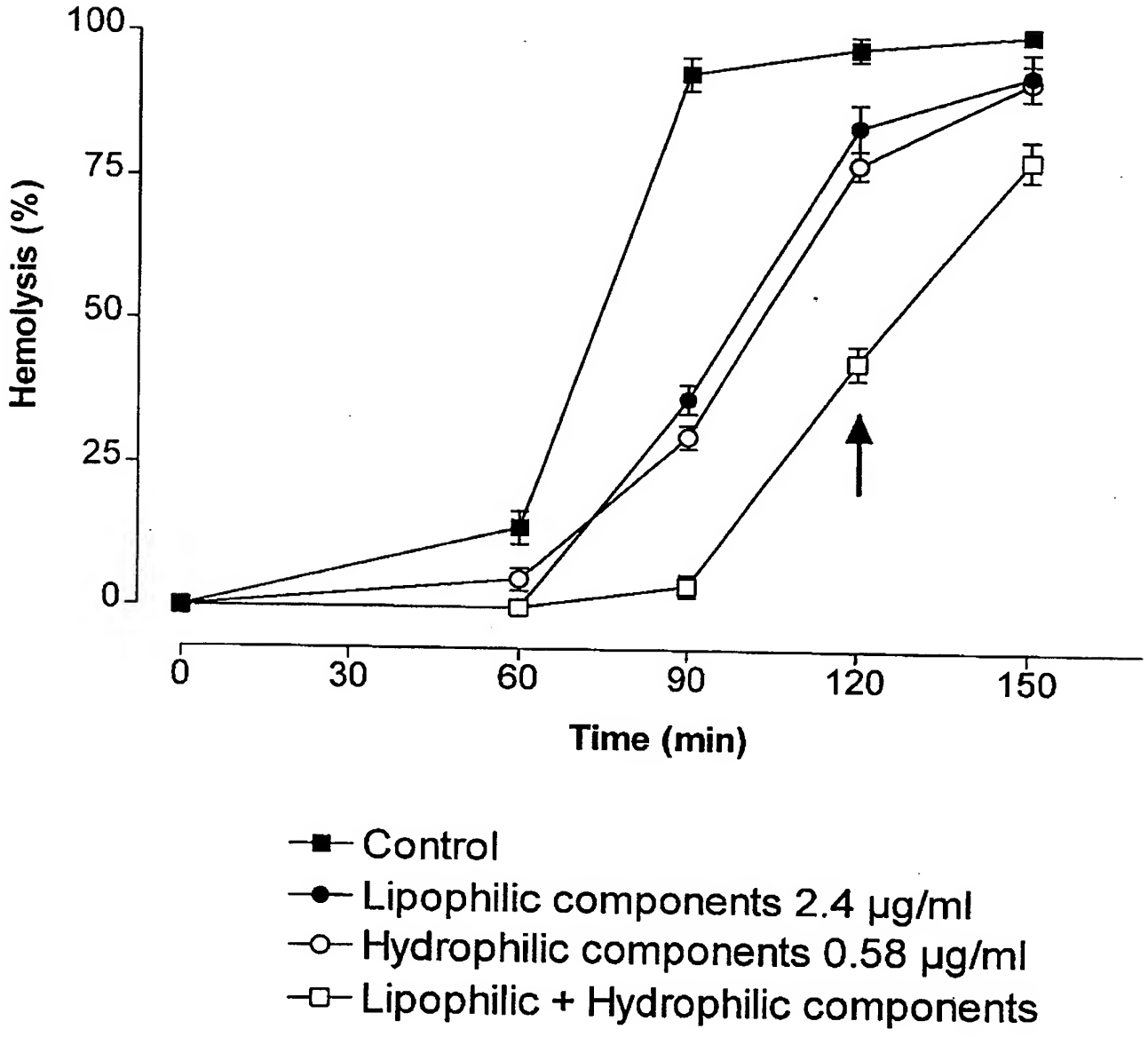
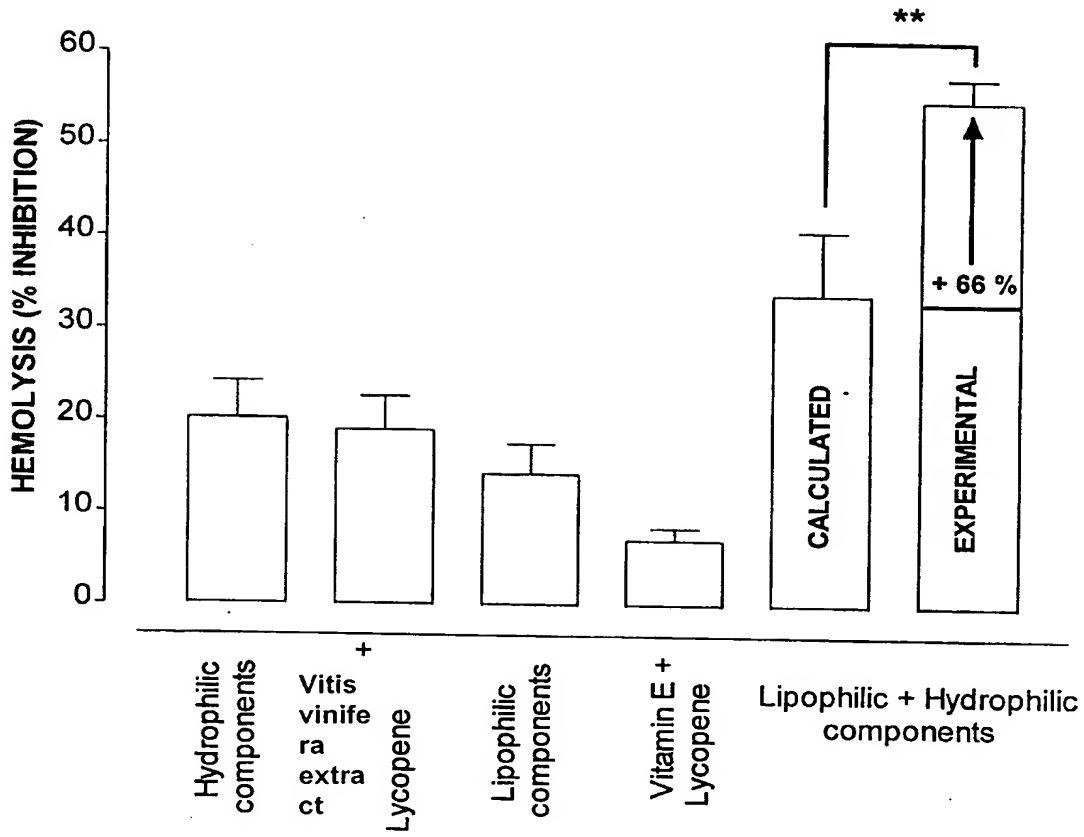

100
75
50
25
0
Hemolysis (%)
0
30
60
90
120
150
Time (min)
Control
Lipophilic components 2.4 µg/ml
Hydrophilic components 0.58 µg/ml
Lipophilic + Hydrophilic components

Figure 4



t-test = calculated vs experimental $p<0.005$

Hydrophilic components: 0.58 µg/ml
(Ascorbic acid 0.4 µg/ml + **Vitis vinifera extract 0.18 µg/ml)**

Lipophilic components: 2.4 µg/ml
(Vitamin E acetate 1.76 µg/ml + ß-carotene 0.41 µg/ml + lycopene 0.22 µg/ml)

Figure 5

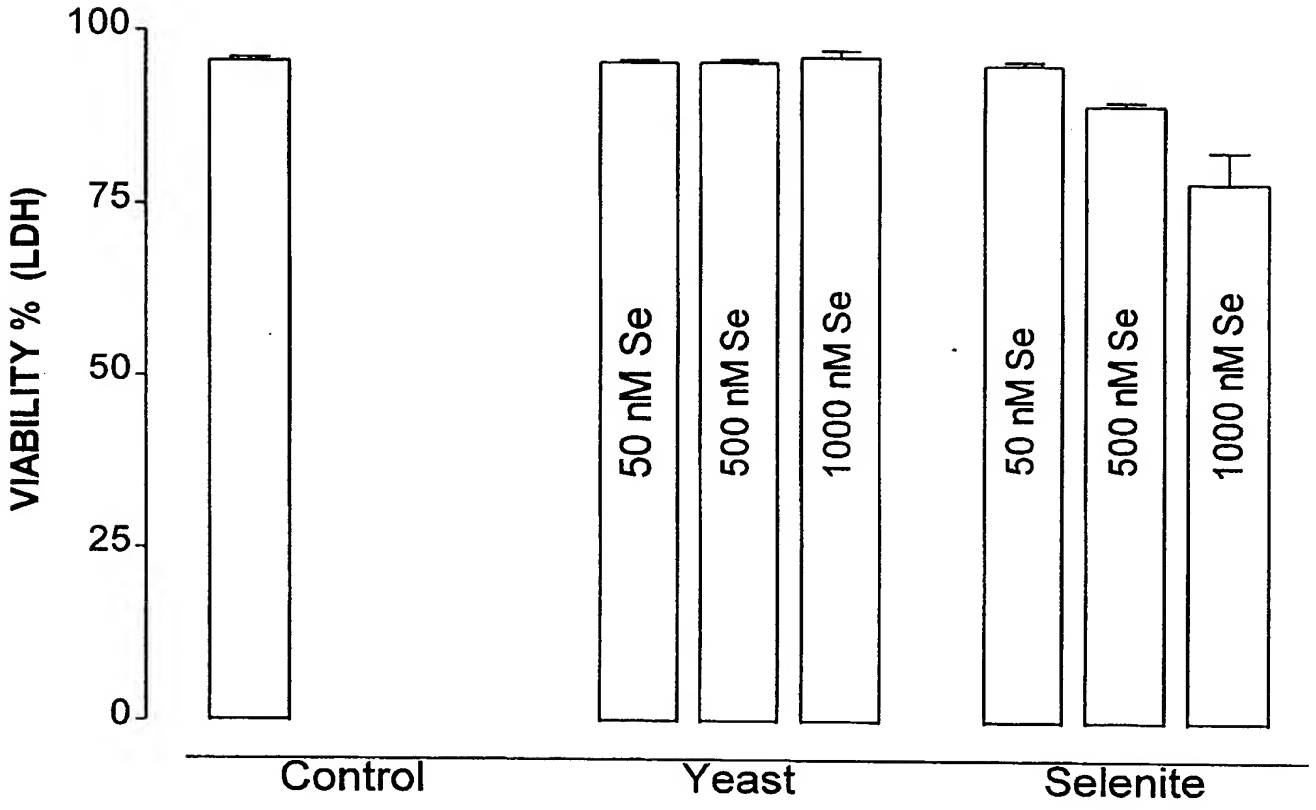
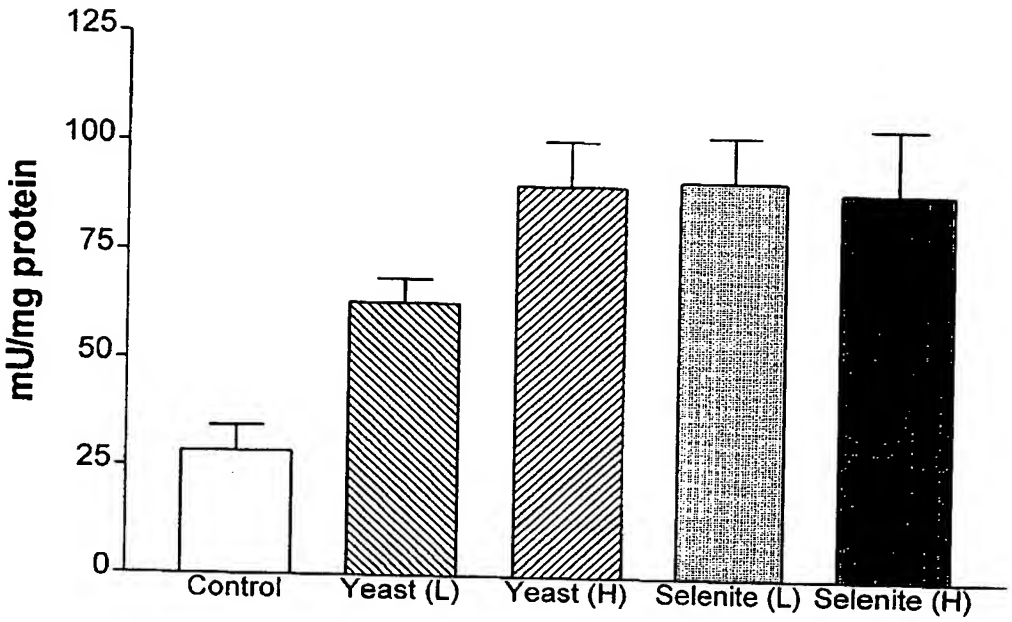

100
75
50
25
0
VIABILITY % (LDH)
50 nM Se
500 nM Se
1000 nM Se
50 nM Se
500 nM Se
1000 nM Se
Control
Yeast
Selenite

Figure 6



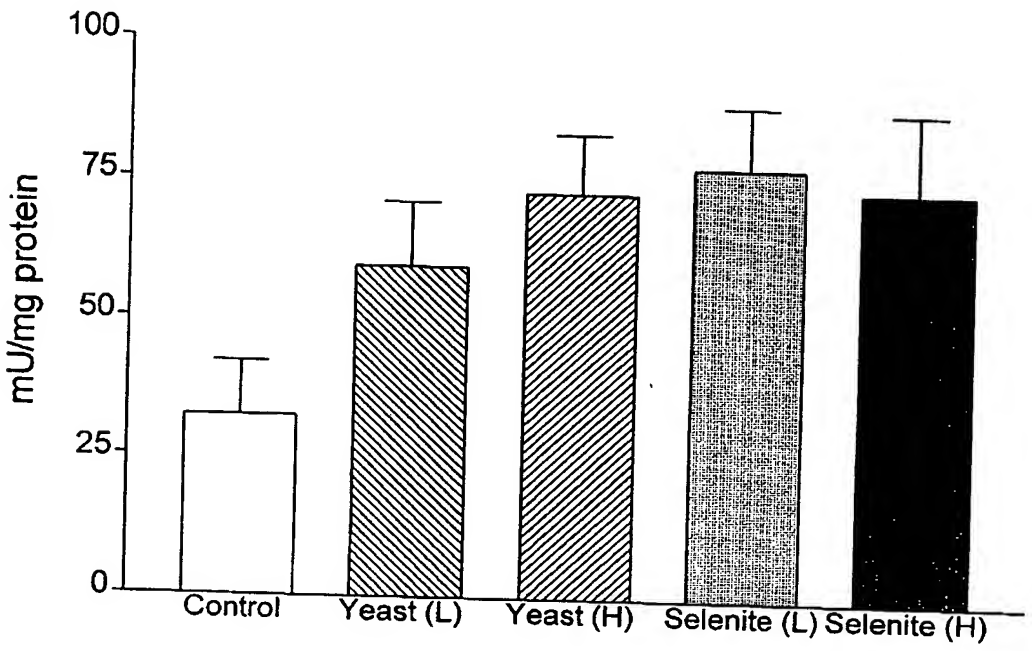
ANOVA, Tukey's post test:

Yeast (L), Yeast (H), Selenite (H), Selenite (L) vs Control $p<0.001$
Yeast (L) vs Yeast (H) $p<0.001$

Legend:

Yeast (L):	Selenium yeast (3.95 μg/ml): 50 nM Se
Yeast (H):	Selenium yeast (39.5 μg/ml): 500 nM Se
Selenite (L):	Na_2Se0_3 50 nM
Selenite (H):	Na_2Se0_3 500 nM

Figure 7



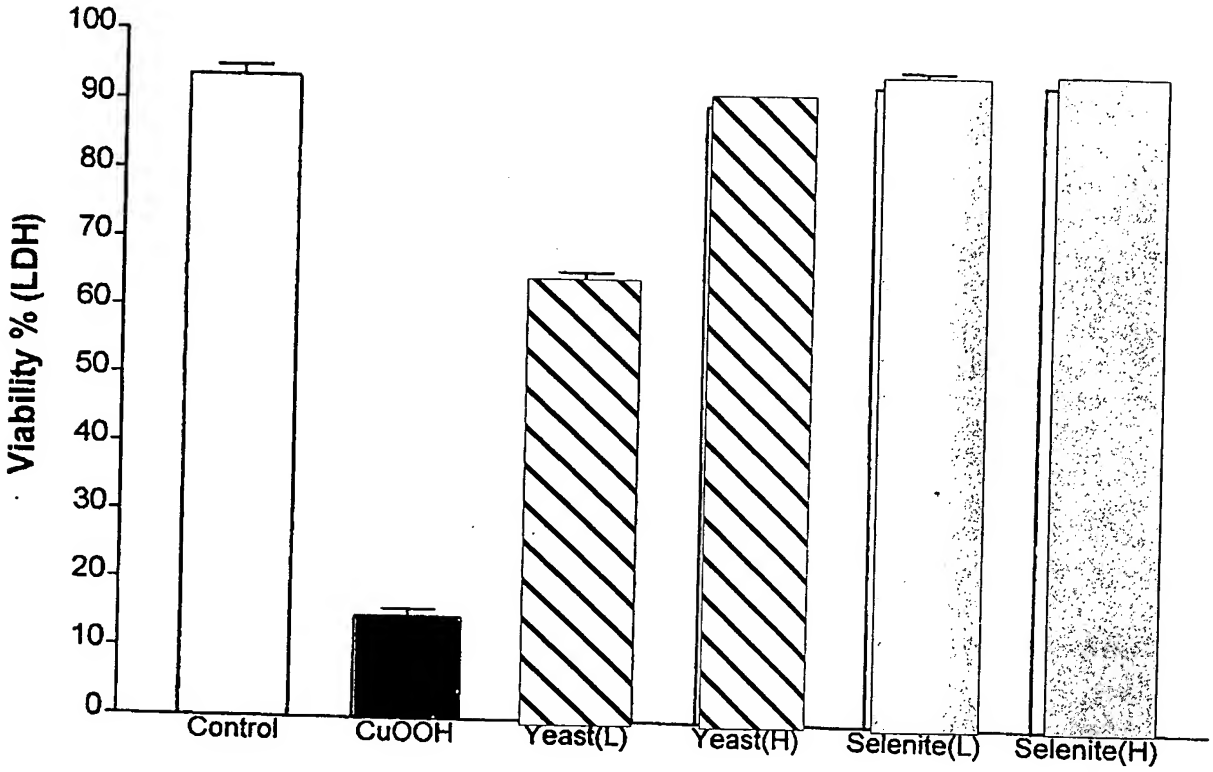
ANOVA, Tukey's post test:

Yeast (H), Selenite (H), Selenite (L) vs Control $p<0.001$
Yeast (L) vs Control $p<0.01$

Legend:

Yeast (L):	Selenium yeast (3.95 µg/ml): 50 nM Se
Yeast (H):	Selenium yeast (39.5 µg/ml): 500 nM Se
Selenite (L):	Na_2SeO_3 50 nM
Selenite (H):	Na_2SeO_3 500 nM

Figure 8

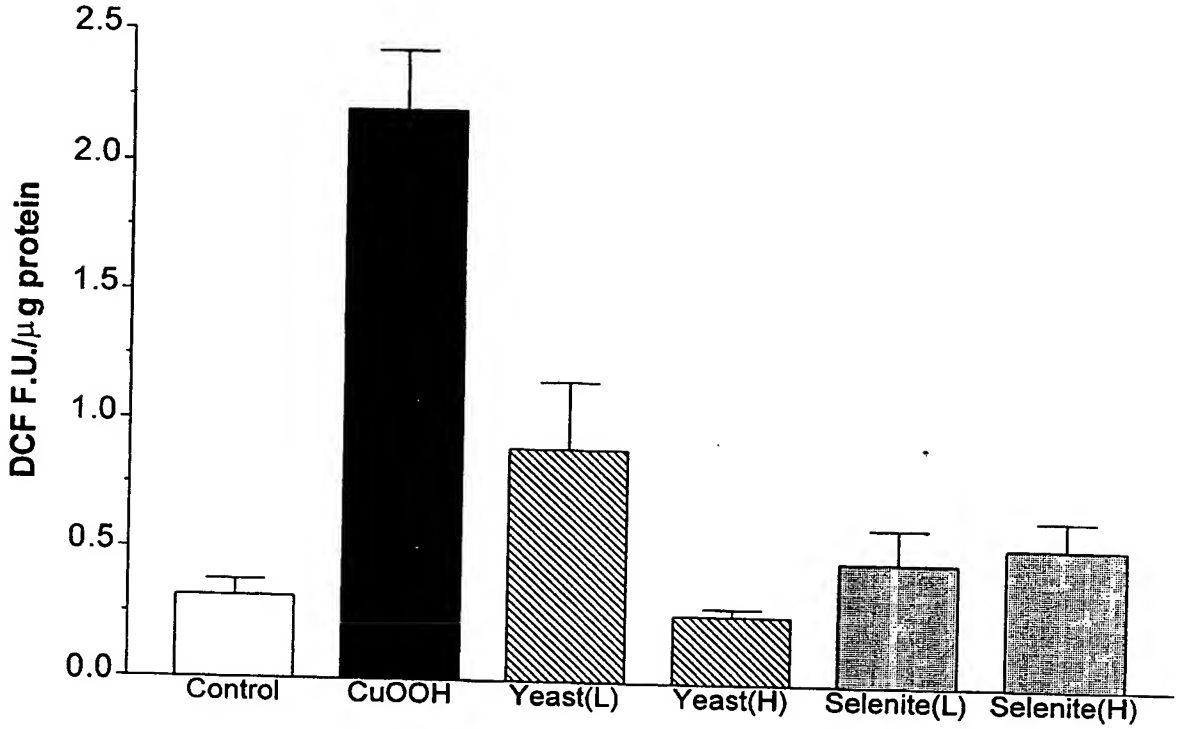


CuOOH = 500 µM (cell viability determined after 24h incubation)

Legend:

Yeast (L):	Selenium yeast (3.95 µg/ml): 50 nM Se
Yeast (H):	Selenium yeast (39.5 µg/ml): 500 nM Se
Selenite (L):	Na_2SeO_3 50 nM
Selenite (H):	Na_2SeO_3 500 nM

Figure 9



CuOOH = 500 µM (DCF formation determined after 24h incubation)

Legend:

Yeast (L):	Selenium yeast (3.95 µg/ml): 50 nM Se
Yeast (H):	Selenium yeast (39.5 µg/ml): 500 nM Se
Selenite (L):	Na_2Se0_3 50 nM
Selenite (H):	Na_2Se0_3 500 nM

Figure 10